

João Cascalheira

RESEARCHER

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Summary

I am an archaeologist interested in prehistoric hunter-gatherer adaptations, specifically in how these are related to processes of climate and environmental change. I focus on the study of lithic technological organization and its correlation with various aspects of ecological dynamics and human behavior. I currently direct fieldwork in several sites within the context of my ERC Consolidator Grant - *FINISTERRA: Population trajectories and cultural dynamics of the late Neanderthals in Far Western Eurasia*. I am also a collaborator in different projects on the Middle and Later Stone Age in Mozambique and Sudan. My publication record counts with 5 books/edited volumes, 50 publications in peer-review journals, and 52 other publications as first author or in collaboration. I also have 199 public presentations in international professional conferences. Currently, I am the Director of ICArEB, a research center for archaeology and the evolution of human behaviour at Universidade do Algarve.

Education

Agregação in Archaeology

Universidade do Algarve, Portugal

2024

Ph.D. in Archaeology

THESIS: THE MEDITERRANEAN INFLUENCE ON THE SOCIAL NETWORKS OF THE IBERIAN SOLUTREAN

Universidade do Algarve, Portugal

2013

MA in Archaeology

FINAL CLASSIFICATION: 19 OUT OF 20. THESIS: SOLUTREAN LITHIC TECHNOLOGY FROM THE VALE BOI ROCKSHELTER

Universidade do Algarve, Portugal

2009

Licenciatura in Cultural Heritage

FINAL CLASSIFICATION: 16 OUT OF 20

Universidade do Algarve, Portugal

2007

Employment History

Assistant Researcher

POSITION FUNDED BY FUNDAÇÃO PARA A CIÊNCIA E A TECNOLOGIA

Universidade do Algarve, Portugal

2019-Present

Post-Doctoral Researcher

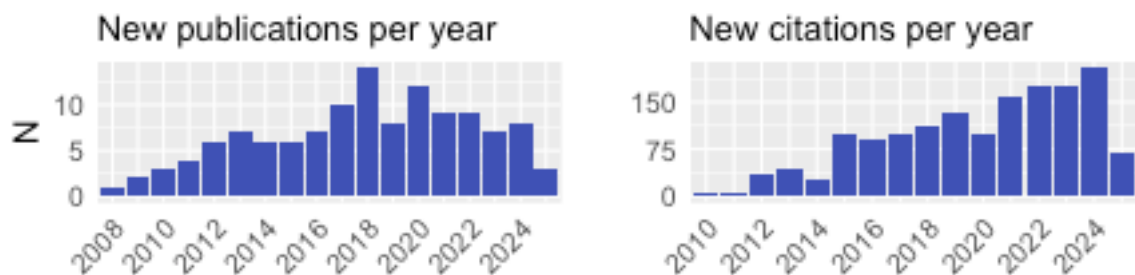
POSITION FUNDED BY FUNDAÇÃO PARA A CIÊNCIA E A TECNOLOGIA

Universidade do Algarve, Portugal

2014-2019

Publications

Citation metrics – August 2024: **1552** citations | Google Scholar H-index: **22** | Web of Science H-index: **15**



BOOKS AND EDITED VOLUMES

1. Cascalheira, J., & Picin, A. (Eds.). (2020). *Short-Term Occupations in Paleolithic Archaeology: Definition and Interpretation*. Springer International Publishing. <https://doi.org/10.1007/978-3-030-27403-0>

2. Schmidt, I., Cascalheira, J., Bicho, N., & Weniger, G.-C. (Eds.). (2019). *Human adaptations to the Last Glacial Maximum: The Solutrean and its neighbors*. Cambridge Scholars Publishing.
3. Cascalheira, J., & Bicho, N. (2018). *The impact of drastic environmental changes in prehistoric hunter-gatherer adaptations* (Vol. 33). Special Issue in Journal of Quaternary Science.
4. Cascalheira, J., & Gonçalves, C. (Eds.). (2012). *Proceedings from Conference of Young Researchers in Archaeology (JIA 2011)* (Vol. 1–2). Universidade do Algarve.
5. Cascalheira, J. (2010). *Tecnologia lítica do abrigo Solutrense de Vale Boi*. UNIARQ.

ARTICLES IN PEER-REVIEWED JOURNALS

1. Belmiro, J., Terradas, X., Dominguez-Bella, S., & Cascalheira, J. (2025). Within and Beyond: Chert Procurement Patterns During The Upper Palaeolithic in Southwesternmost Iberia. *Journal of Paleolithic Archaeology*, 8(1), 8. <https://doi.org/10.1007/s41982-025-00209-2>
2. Hallinan, E., & Cascalheira, J. (2025). Quantifying Levallois: A 3D geometric morphometric approach to Nubian technology. *Archaeological and Anthropological Sciences*, 17(4), 88. <https://doi.org/10.1007/s12520-025-02199-2>
3. Rose, J. I., Hilbert, Y. H., Usyk, V. I., Bebbler, M. R., Beshkani, A., Buchanan, B., Cascalheira, J., Chlachula, D., Dellmour, R., Eren, M. I., Garba, R., Hallinan, E., Li, L., Walker, R. S., & Marks, A. E. (2025). Mapping lateral stratigraphy at Palaeolithic surface sites: A case study from Dhofar, Oman. *Journal of Archaeological Science*, 173, 106117. <https://doi.org/10.1016/j.jas.2024.106117>
4. Cobo-Sánchez, L., Rufà, A., & Cascalheira, J. (2024). Alternating carnivore and Neanderthal activities at Escoural Cave: Insights from the taphonomic and machine learning analysis of leporid remains. *Frontiers in Environmental Archaeology*, 3. <https://doi.org/10.3389/fearc.2024.1473266>
5. Paleček, D., Falini, G., Wacker, L., Mannino, M. A., Bicho, N., Cascalheira, J., Rombolà, A. G., Fabbri, D., & Talamo, S. (2024). To date or not to date? A comparison of different 14C pretreatment methods applied to archeological marine shells from Vale Boi (Portugal). *Radiocarbon*, 1–22. <https://doi.org/10.1017/RDC.2024.80>
6. Barbieri, A., Regala, F. T., Cascalheira, J., & Bicho, N. (2023). The sediment at the end of the tunnel: Geophysical research to locate the Pleistocene entrance of Gruta da Companheira (Algarve, Southern Portugal). *Archaeological Prospection*, 30(2), 117–134. <https://doi.org/10.1002/arp.1881>
7. Belmiro, J., Terradas, X., & Cascalheira, J. (2023). Creating frames of reference for chert exploitation during the Late Pleistocene in Southwesternmost Iberia. *PLOS ONE*, 18(10), e0293223. <https://doi.org/10.1371/journal.pone.0293223>
8. Godinho, R. M., Umbelino, C., Valera, A. C., Carvalho, A. F., Bicho, N., Cascalheira, J., Gonçalves, C., & Smith, P. (2023). Mandibular morphology and the Mesolithic–Neolithic transition in Westernmost Iberia. *Scientific Reports*, 13(1, 1), 16648. <https://doi.org/10.1038/s41598-023-42846-z>
9. Myopotamitaki, D., Harking, F. S., Taurozzi, A. J., Fagernäs, Z., Godinho, R. M., Smith, G. M., Weiss, M., Schüller, T., McPherron, S. P., Meller, H., Cascalheira, J., Bicho, N., Olsen, J. V., Hublin, J.-J., & Welker, F. (2023). Comparing extraction method efficiency for high-throughput palaeoproteomic bone species identification. *Scientific Reports*, 13(1, 1), 18345. <https://doi.org/10.1038/s41598-023-44885-y>
10. Carvalho, M., Jones, E. L., Ellis, M. G., Cascalheira, J., Bicho, N., Meiggs, D., Benedetti, M., Friedl, L., & Haws, J. (2022). Neanderthal palaeoecology in the late Middle Palaeolithic of western Iberia: A stable isotope analysis of ungulate teeth from Lapa do Picareiro (Portugal). *Journal of Quaternary Science*, 37(2), 300–319. <https://doi.org/10.1002/jqs.3363>
11. Cascalheira, J., Gonçalves, C., & Maio, D. (2022). The spatial patterning of Middle Palaeolithic human settlement in westernmost Iberia. *Journal of Quaternary Science*, 37(2), 291–299. <https://doi.org/10.1002/jqs.3286>
12. Hallinan, E., Barzilai, O., Beshkani, A., Cascalheira, J., Demidenko, Y. E., Goder-Goldberger, M., Hilbert, Y. H., Hovers, E., Marks, A. E., & Nymark, A. (2022). The nature of Nubian: Developing current global perspectives on Nubian Levallois technology and the Nubian complex. *Evolutionary Anthropology*, 31(5), 227–232. <https://doi.org/grnbn7>
13. Hallinan, E., Barzilai, O., Bicho, N., Cascalheira, J., Demidenko, Y., Goder-Goldberger, M., Hovers, E., Marks, A., Oron, M., & Rose, J. (2022). No direct evidence for the presence of Nubian Levallois technology and its association with Neanderthals at Shukbah Cave. *Scientific Reports*, 12(1), 1204. <https://doi.org/10.1038/s41598-022-05072-7>

14. Horta, P., Bicho, N., & Cascalheira, J. (2022). Lithic bipolar methods as an adaptive strategy through space and time. *Journal of Archaeological Science: Reports*, 41, 103263. <https://doi.org/10.1016/j.jasrep.2021.103263>
15. Rütther, P. L., Husic, I. M., Bangsgaard, P., Gregersen, K. M., Pantmann, P., Carvalho, M., Godinho, R. M., Friedl, L., Cascalheira, J., Taurozzi, A. J., Jørkov, M. L. S., Benedetti, M. M., Haws, J., Bicho, N., Welker, F., Cappellini, E., & Olsen, J. V. (2022). SPIN enables high throughput species identification of archaeological bone by proteomics. *Nature Communications*, 13(1), 2458. <https://doi.org/10.1038/s41467-022-30097-x>
16. Belmiro, J., Bicho, N., Haws, J., & Cascalheira, J. (2021). The Gravettian-Solutrean transition in westernmost Iberia: New data from the sites of Vale Boi and Lapa do Picareiro. *Quaternary International*, 587–588, 19–40. <https://doi.org/10.1016/j.quaint.2020.08.027>
17. Cascalheira, J. (2021). Foragers in the middle Limpopo Valley: Trade, place-making, and social complexity, written by Tim Forssman. *Journal of African Archaeology*, 19(2), 248–249. <https://doi.org/10.1163/21915784-20210009>
18. Cascalheira, J., Alcaraz-Castaño, M., Alcolea-González, J., de Andrés-Herrero, M., Arrizabalaga, A., Aura Tortosa, J. E., Garcia-Ibaibarriaga, N., & Iriarte-Chiapusso, M.-J. (2021). Paleoenvironments and human adaptations during the Last Glacial Maximum in the Iberian Peninsula: A review. *Quaternary International*, 581–582, 28–51. <https://doi.org/10.1016/j.quaint.2020.08.005>
19. Haws, J. A., Benedetti, M. M., Bicho, N. F., Cascalheira, J., Ellis, M. G., Carvalho, M. M., Friedl, L., Pereira, T., & Talamo, S. (2021). The early Aurignacian at Lapa do Picareiro really is that old: A comment on “The late persistence of the Middle Palaeolithic and Neandertals in Iberia: A review of the evidence for and against the ‘Ebro Frontier’ model.” *Quaternary Science Reviews*, 274, 107261. <https://doi.org/10.1016/j.quascirev.2021.107261>
20. Haws, J., Benedetti, M., Carvalho, M., Ellis, G., Pereira, T., Cascalheira, J., Bicho, N., & Friedl, L. (2021). Human adaptive responses to climate and environmental change during the Gravettian of Lapa do Picareiro (Portugal). *Quaternary International*, 587–588, 4–18. <https://doi.org/10.1016/j.quaint.2020.08.009>
21. Taylor, R., García-Rivero, D., Gonçalves, C., Cascalheira, J., & Bicho, N. (2021). The Early Neolithic at the Muge Shellmiddens (Portugal): Analysis and Review of the Ceramic Evidence from Cabeço da Amoreira. *European Journal of Archaeology*, 24(2), 156–179. <https://doi.org/10.1017/ear.2020.40>
22. Haws, J. A., Benedetti, M. M., Talamo, S., Bicho, N., Cascalheira, J., Ellis, M. G., Carvalho, M. M., Friedl, L., Pereira, T., & Zinsious, B. K. (2020). The early Aurignacian dispersal of modern humans into westernmost Eurasia. *Proceedings of the National Academy of Sciences*, 117, 25414–25422. <https://doi.org/10.1073/pnas.2016062117>
23. McLaughlin, T. R., Gómez-Puche, M., Cascalheira, J., Bicho, N., & Fernández-López de Pablo, J. (2020). Late Glacial and Early Holocene human demographic responses to climatic and environmental change in Atlantic Iberia. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 376(1816), 20190724. <https://doi.org/10.1098/rstb.2019.0724>
24. Cascalheira, J. (2019). Territoriality and the organization of technology during the Last Glacial Maximum in southwestern Europe. *PLOS ONE*, 14(12), e0225828. <https://doi.org/10.1371/journal.pone.0225828>
25. Horta, P., Cascalheira, J., & Bicho, N. (2019). The Role of Lithic Bipolar Technology in Western Iberia’s Upper Paleolithic: The Case of Vale Boi (Southern Portugal). *Journal of Paleolithic Archaeology*, 2(2), 134–159. <https://doi.org/10.1007/s41982-019-0022-5>
26. Paixão, E., Marreiros, J., Pereira, T., Gibaja, J., Cascalheira, J., & Bicho, N. (2019). Technology, use-wear and raw material sourcing analysis of a c. 7500 cal BP lithic assemblage from Cabeço da Amoreira shellmid-den (Muge, Portugal). *Archaeological and Anthropological Sciences*, 1–21. <https://doi.org/10.1007/s12520-018-0621-y>
27. Bicho, N., & Cascalheira, J. (2018). Global perspectives on the impact of drastic environmental changes in hunter-gatherer technologies. *Journal of Quaternary Science*, 33(3), 255–260. <https://doi.org/10.1002/jqs.3003>
28. Bicho, N., Cascalheira, J., André, L., Haws, J., Gomes, A., Gonçalves, C., Raja, M., & Benedetti, M. (2018). Portable art and personal ornaments from Txina-Txina: A new Later Stone Age site in the Limpopo River Valley, southern Mozambique. *Antiquity*, 92(363), E2. <https://doi.org/10.15184/aqy.2018.95>
29. Bicho, N., Cascalheira, J., Haws, J., & Gonçalves, C. (2018). Middle Stone Age Technologies in Mozambique: A Preliminary Study of the Niassa and Massingir Regions. *Journal of African Archaeology*, 16(1), 60–82. <https://doi.org/10.1163/21915784-20180006>

30. Cascalheira, J., & Bicho, N. (2018). Testing the impact of environmental change on hunter-gatherer settlement organization during the Upper Paleolithic in western Iberia. *Journal of Quaternary Science*, 33(3), 323–334. <https://doi.org/10.1002/jqs.3009>
31. Gonçalves, C., Cascalheira, J., Costa, C., Bárbara, S., Matias, R., & Bicho, N. (2018). Detecting single events in large shell mounds: A GIS approach to Cabeço da Amoreira, Muge, Central Portugal. *Journal of Archaeological Science: Reports*, 18, 1000–1010. <https://doi.org/10.1016/j.jasrep.2017.11.037>
32. Bicho, N., Cascalheira, J., & Gonçalves, C. (2017). Early Upper Paleolithic colonization across Europe: Time and mode of the Gravettian diffusion. *PLoS One*, 12, e0178506. <https://doi.org/10.1371/journal.pone.0178506>
33. Bicho, N., Cascalheira, J., Gonçalves, C., Umbelino, C., Rivero, D. G., & André, L. (2017). Resilience, replacement and acculturation in the Mesolithic/Neolithic transition: The case of Muge, central Portugal. *Quaternary International*, 446, 31–42. <https://doi.org/10.1016/j.quaint.2016.09.049>
34. Bicho, N., Cascalheira, J., Marreiros, J., & Pereira, T. (2017). Rapid climatic events and long term cultural change: The case of the Portuguese Upper Paleolithic. *Quaternary International*, 428, 3–16. <https://doi.org/10.1016/j.quaint.2015.05.044>
35. Cascalheira, J., Bicho, N., Manne, T., & Horta, P. (2017). Cross-scale adaptive behaviors during the Upper Paleolithic in Iberia: The example of Vale Boi (Southwestern Portugal). *Quaternary International*, 446, 17–30. <https://doi.org/10.1016/j.quaint.2017.01.002>
36. Cascalheira, J., Bicho, N., & Gonçalves, C. (2017). A Google-Based Freeware Solution for Archaeological Field Survey and Onsite Artifact Analysis. *Advances in Archaeological Practice*, 5, 328–339. <https://doi.org/10.1017/aap.2017.21>
37. Bicho, N., Haws, J., Raja, M., Madime, O., Gonçalves, C., Cascalheira, J., Benedetti, M., Pereira, T., & Aldeias, V. (2016). Middle and Late Stone Age of the Niassa region, northern Mozambique. Preliminary results. *Quaternary International*, 404, 87–99. <https://doi.org/10.1016/j.quaint.2015.09.059>
38. Gonçalves, C., Raja, M., Madime, O., Cascalheira, J., Haws, J., Matos, D., & Bicho, N. (2016). Mapping the Stone Age of Mozambique. *African Archaeological Review*, 33(1), 1–12. <https://doi.org/10.1007/s10437-016-9212-4>
39. Pereira, T., Bicho, N., Cascalheira, J., Infantini, L., Marreiros, J., Paixão, E., & Terradas, X. (2016). Territory and abiotic resources between 33 and 15.6 ka at Vale Boi (SW Portugal). *Quaternary International*, 412, Part A, 124–134. <https://doi.org/http://dx.doi.org/10.1016/j.quaint.2015.08.071>
40. Bicho, N., Marreiros, J., Cascalheira, J., Pereira, T., & Haws, J. (2015). Bayesian modeling and the chronology of the Portuguese Gravettian. *Quaternary International*, 359–360, 499–509. <https://doi.org/10.1016/j.quaint.2014.04.040>
41. Cascalheira, J., & Bicho, N. (2015). On the Chronological Structure of the Solutrean in Southern Iberia. *PLoS One*, 10, e0137308. <https://doi.org/10.1371/journal.pone.0137308>
42. Marreiros, J., Bicho, N., Gibaja, J., Pereira, T., & Cascalheira, J. (2015). Lithic technology from the Gravettian of Vale Boi: New insights into Early Upper Paleolithic human behavior in Southern Iberian Peninsula. *Quaternary International*, 359–360, 479–498. <https://doi.org/http://dx.doi.org/10.1016/j.quaint.2014.06.074>
43. Gonçalves, C., Cascalheira, J., & Bicho, N. (2014). Shellmiddens as landmarks: Visibility studies on the Mesolithic of the Muge valley (Central Portugal). *Journal of Anthropological Archaeology*, 36, 130–139. <https://doi.org/10.1016/j.jaa.2014.09.011>
44. Tátá, F., Cascalheira, J., Marreiros, J., Pereira, T., & Bicho, N. (2014). Shell bead production in the Upper Paleolithic of Vale Boi (SW Portugal): An experimental perspective. *Journal of Archaeological Science*, 42, 29–41. <https://doi.org/10.1016/j.jas.2013.10.029>
45. Bicho, N., Cascalheira, J., Marreiros, J., Gonçalves, C., Pereira, T., & Dias, R. (2013). Chronology of the Mesolithic occupation of the Muge valley, central Portugal: The case of Cabeço da Amoreira. *Quaternary International*, 308–309, 130–139. <https://doi.org/10.1016/j.quaint.2012.10.049>
46. Bicho, N., Manne, T., Marreiros, J., Cascalheira, J., Pereira, T., Tátá, F., Évora, M., Gonçalves, C., & Infantini, L. (2013). The ecodynamics of the first modern humans in Southwestern Iberia: The case of Vale Boi, Portugal. *Quaternary International*, 318, 102–116. <https://doi.org/10.1016/j.quaint.2013.06.029>
47. Cascalheira, J., & Bicho, N. (2013). Hunter-gatherer ecodynamics and the impact of the Heinrich event 2 in Central and Southern Portugal. *Quaternary International*, 318, 117–127. <https://doi.org/10.1016/j.quaint.2013.05.039>

48. Pereira, T., Cascalheira, J., Marreiros, J., Almeida, F., & Bicho, N. (2013). Variation in quartzite exploitation during the Upper Palaeolithic of Southwest Iberian Peninsula. *Trabajos de Prehistoria*, 69, 232–256. <https://doi.org/10.3989/tp.2012.12090>
49. Cascalheira, J., Bicho, N., Marreiros, J., Pereira, T., Évora, M., Cortés Sánchez, M., Gibaja, J. F., Manne, T., Regala, F., Gonçalves, C., & Monteiro, P. (2012). Vale Boi (Algarve, Portugal) and the Solutrean in Southwestern Iberia. *Espacio, Tiempo y Forma*, 5, 455–467. <https://doi.org/10.5944/etfi.5.5376>
50. Manne, T., Cascalheira, J., Évora, M., Marreiros, J., & Bicho, N. (2012). Intensive subsistence practices at Vale Boi, an Upper Paleolithic site in southwestern Portugal. *Quaternary International*, 264, 83–99. <https://doi.org/10.1016/j.quaint.2012.02.026>

OTHER ARTICLES

1. André, L., Tátá, F., Bicho, N., & Cascalheira, J. (2024). Vale Boi. Los recursos marinos y elementos de adorno de las ocupaciones paleolíticas del Algarve (Portugal). In *Recursos marinos de las sociedades prehistóricas: Región del Estrecho de Gibraltar (del Algarve a la bahía de Málaga)* (pp. 157–180). Almuzara. <https://dialnet.unirioja.es/servlet/articulo?codigo=9436491>
2. Cardoso, J. L., & Cascalheira, J. (2024). 40,000 years later: What we know about the presence of Neanderthals in Portuguese territory and their extinction. *Estudos Arqueológicos de Oeiras*, 34, 9–52. <https://repositorioaberto.uab.pt/handle/10400.2/16422>
Accepted: 2024-08-08T11:08:57Z
3. Maringa, N., Rhodes, S. E., Carvalho, M., Haws, J., & Cascalheira, J. (2024). Inferring the palaeo environmental dynamics from Late Pleistocene micromammal fossil assemblages at Lapa do Picareiro, Portugal. In *Cross-disciplinary research in Environmental Archaeology* (p. 21). ICAREHB, Universidade do Algarve. <https://sapientia.ualg.pt/bitstreams/1d24ae12-7636-40d7-96ed-8387fb30d064/download#page=23>
4. Belmiro, J., Cascalheira, J., André, L., Matias, R., & Gonçalves, C. (2023). Termoclastos no concheiro mesolítico do Cabeço da Amoreira (Muge, Portugal). *Revista Cultural Do Concelho de Salvaterra de Magos*.
5. Nogueira, D., Godinho, R. M., Gonçalves, C., Cascalheira, J., Bicho, N., & Umbelino, C. (2023). A importância antropológica de Muge: 160 anos de descobertas e desafios. *Revista Cultural Do Concelho de Salvaterra de Magos*.
6. Bicho, N., Gonçalves, C., Cascalheira, J., Umbelino, C., Godinho, R. M., & Costa, C. (2022). O Vale de Muge no contexto do Mesolítico Atlântico da Península Ibérica. In *Terra e Sal: Das antigas sociedades camponesas ao fim dos tempos modernos - estudos oferecidos a Carlos Tavares da Silva* (pp. 59–74). UNIARQ.
7. Cascalheira, J., Bicho, N., Gonçalves, C., Garcia-Rivero, D., & Horta, P. (2021). Of space and time: The non-midden components of the Cabeço da Amoreira Mesolithic shellmound (Muge, Central Portugal). In D. Boric, D. Antonovic, & B. Mihailović (Eds.), *Foraging Assemblages* (Serbian Archaeological Society, Vol. 1, pp. 162–168).
8. Belmiro, J., Cascalheira, J., & Gonçalves, C. (2020). Uma perspectiva diacrónica da ocupação do concheiro do Cabeço da Amoreira (Muge, Portugal) a partir da tecnologia lítica. In *Actas do III Congresso da Associação dos Arqueólogos Portugueses*. AAP.
9. Bicho, N., & Cascalheira, J. (2020). Dos Neandertais ao Homo sapiens. In C. Fiolhais, J. Franco, & J. Paiva (Eds.), *História Global de Portugal* (pp. 25–31). Temas e Debates.
10. Bicho, N., Cascalheira, J., & Haws, J. (2020). Reflexões sobre o estudo do Paleolítico Médio e Superior em Portugal. In *Estudos Arqueológicos de Oeiras* (Vol. 27, pp. 9–26). Câmara Municipal de Oeiras.
11. Bicho, N., & Cascalheira, J. (2020). The use of lithic assemblages for the definition of short-term occupations in hunter-gatherer prehistory. In A. Picin & J. Cascalheira (Eds.), *Short-term occupations in Paleolithic Archaeology* (pp. 19–38). Springer.
12. Cardoso, J. L., Cascalheira, J., & Martins, F. (2020). A estação Solutrense do Olival do Arneiro (Rio Maior). In *Estudos Arqueológicos de Oeiras* (Câmara Municipal de Oeiras, Vol. 27, pp. 27–98).
13. Picin, A., & Cascalheira, J. (2020). Introduction to Short-term Occupations in Paleolithic Archaeology. In A. Picin & J. Cascalheira (Eds.), *Short-term occupations in Paleolithic Archaeology* (pp. 1–18). Springer.
14. André, L., Cascalheira, J., Gonçalves, C., & Bicho, N. (2019). Shell beads production during the LGM: The case of Vale Boi (Southern Portugal). In *Human adaptations to the Last Glacial Maximum: The Solutrean and its neighbors* (pp. 491–508). Cambridge Scholars Publishing.
15. Haws, J., Benedetti, M., Cascalheira, J., Bicho, N., Carvalho, M., Zinsious, B., Ellis, G., & Friedl, L. (2019). Human occupation during the Late Pleniglacial at Lapa do Picareiro (Portugal). In *Human adaptations to the Last Glacial Maximum: The Solutrean and its neighbors* (pp. 188–213). Cambridge Scholars Publishing.

16. Schmidt, I., Bicho, N., Cascalheira, J., & Weniger, G.-C. (2019). Introduction. In *Human adaptations to the Last Glacial Maximum: The Solutrean and its neighbors* (pp. x–xiv). Cambridge Scholars Publishing.
17. Simón Vallejo, M. D., Bicho, N., Cortés Sánchez, M., Parrilla Giráldez, R., & Cascalheira, J. (2019). New Solutrean portable art data from the site of Vale Boi (Algarve, Portugal). In *Human adaptations to the Last Glacial Maximum: The Solutrean and its neighbors* (pp. 509–517). Cambridge Scholars Publishing.
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SOFTWARE AND DATASETS

1. Cobo-Sánchez, L., Rufà, A., & Cascalheira, J. (2024). *Alternating carnivore and Neanderthal activities at Escoural Cave: Insights from the taphonomic and machine learning analysis of leporid remains* [Data set]. OSF. <https://doi.org/10.17605/OSF.IO/ZYU4P>
2. Hallinan, E., & Cascalheira, J. (2024). *Quantifying Levallois: A 3D geometric morphometric approach to Nubian technology* [Data set]. OSF. <https://doi.org/10.17605/OSF.IO/SJ8ZV>
3. Rose, J. I., Li, L., & Cascalheira, J. (2024). *Research compendium for the paper “Mapping lateral stratigraphy at Palaeolithic surface sites: A case study from Dhofar, Oman”* [Data set]. OSF. <https://doi.org/10.17605/OSF.IO/RNYFB>
4. Belmiro, J., & Cascalheira, J. (2022). *Creating frames of reference for chert exploitation during the Late Pleistocene in Southwesternmost Iberia*. [Data set]. OSF. <https://doi.org/10.17605/OSF.IO/FP7TA>
5. Horta, P. E. G., & Cascalheira, J. (2021). *Lithic bipolar methods as an adaptive strategy through space and time* [Data set]. OSF. <https://doi.org/10.17605/OSF.IO/2KXDP>
6. Belmiro, J., & Cascalheira, J. (2020). *The Gravettian-Solutrean transition in westernmost Iberia: New data from the sites of Vale Boi and Lapa do Picareiro* [Data set]. OSF. <https://doi.org/10.17605/OSF.IO/456EG>
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10. Cascalheira, J. (2018). *The use of lithic assemblages for the definition of short-term occupations in hunter-gatherer prehistory* [Data set]. OSF. <https://doi.org/10.17605/OSF.IO/AWYVF>
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13. Cascalheira, J., Horta, P. E. G., & Bicho, N. (2018). *The role of lithic bipolar technology in Western Iberia's Upper Paleolithic: The case of Vale Boi (southern Portugal)* [Data set]. OSF. <https://doi.org/10.17605/OSF.IO/WPXGH>
14. Cascalheira, J. (2016). *A Google-based freeware solution for archaeological survey and on-site artifact analysis* [Data set]. Mendeley Data. <https://doi.org/10.17632/8r8wh8w92m.1>

Grants, Awards and Fellowships

Total awarded ~2000,000€

2022-	FINISTERRA - Population trajectories and cultural dynamics of Late Neanderthals in Far Western Eurasia. Funded by European Research Council Consolidator Grant	1,899,696€
2020-	Neanderthals and Early Modern Humans in the Escoural Cave (southern Portugal). Funded by Wenner-Gren Foundation	18,000€
2018-	The origins and evolution of human cognition and the impact of Southwestern European coastal ecology. Funded by Fundação para a Ciência e Tecnologia	240,000€
2018-	Discovering ancient societies in central Portugal: the Muge shellmiddens. Funded by Earthwatch Institute	51,378€
2018-	Investigating the earliest Anatomically Modern Human occupation in Western Algarve. Funded by Institute for Field Research	21,000€
2017-	Ballistic performance of Upper Paleolithic stone-tipped projectiles: an assessment using computational fluid analysis. Funded by Archaeological Institute of America	4,467€
2014-19	Portuguese National Science Foundation Post-Doctoral Fellowship	107,280€
2010-13	Portuguese National Science Foundation Ph.D. Fellowship	47,040€
2012	COST Action TD0902 – Submerged Prehistoric Archaeology and Landscapes of the Continental Shelf. Short Term Scientific Mission: The Mediterranean influence in the social networks of the Final Solutrean of Iberia: the cave of Parpalló	1,200€
2010	Paleoanthropology Society – Travel grant to the Paleoanthropology Annual Meeting, May, 2010, St. Louis, US	400€
2009	Universidade do Algarve – Merit grant	1,350€
2008-09	Portuguese National Science Foundation – Investigation grant within the project PTDC/HAH/64185/2006 – UcaRVaT – “The last hunter-gatherers in the Tejo valey – the Muge shellmiddens”	8,940€

Main Research Projects

AS PRINCIPAL INVESTIGATOR AND CO-INVESTIGATOR

2022-	FINISTERRA - Population trajectories and cultural dynamics of Late Neanderthals in Far Western Eurasia. Funded by European Research Council Consolidator Grant
2020-	Neanderthals and Early Modern Humans in the Escoural Cave (southern Portugal). Funded by the Wenner-Gren Foundation
2018-	The origins and evolution of human cognition and the impact of Southwestern European coastal ecology. Co-PI with Nuno Bicho. Funded by Fundação para a Ciência e Tecnologia - ALG-01-0145-FEDER-27833
2018-	Discovering ancient societies in central Portugal: the Muge shellmiddens. Co-PI with Célia Gonçalves, Lino André and Nuno Bicho. Funded by the Earthwatch Institute
2018-	Investigating the Earliest anatomically modern human occupation in western Algarve. Co-PI with Nuno Bicho. Funded by the Institute for Field Research
2017-	Ballistic performance of Upper Paleolithic stone-tipped projectiles: an assessment using computational fluid analysis. Funded by the Archaeological Institute of America

AS COLLABORATOR

- 2023- Are Neanderthals adapted to heavy masticatory and paramasticatory function?. PI: Ricardo Godinho. Funded by the Fundação para a Ciência e Tecnologia - 022.07737.PTDC
- 2018- The Muge Shellmiddens Project: A new portal to the last hunter-gatherers the Tagus valley, Portugal. PI: Célia Gonçalves. Funded by the Fundação para a Ciência e Tecnologia - ALG-01-0145-FEDER-29680
- 2018- Climate change during the Quaternary in Inhambane, Southwestern Mozambique, and its role in human evolution. PI: Ana Gomes. Funded by the Fundação para a Ciência e Tecnologia - PTDC/HAR-ARQ/28148/2017
- 2017-18 Middle and Late Stone Archaeology in Machampane Valley, Limpopo River basin, southern Mozambique. PI: Nuno Bicho. Funded by the National Geographic Society
- 2016- Stone Age Vilankulos: Modern Human Origins Research south of the Rio Save, Mozambique. PI: Jonathan Haws. Funded by Fundação para a Ciência e Tecnologia
- 2015-16 Middle Stone Age Archaeology survey in the Limpopo and Elephant rivers valleys, southern Mozambique. PI: Nuno Bicho. Funded by the National Geographic Society/Waitt - W-373-15
- 2013-15 Middle Stone Age archaeology and the origins of modern humans in Southern Mozambique. PI: Nuno Bicho. Funded by the Fundação para a Ciência e Tecnologia - PTDC/EPH-ARQ/4998/2012
- 2013-2015 GIS predictive modeling for the discovery of new Mesolithic sites in Central Portugal. PI: Célia Gonçalves Funded by the Calouste Gulbenkian Foundation
- 2012-14 The last Neanderthals and the emergence of Modern Humans in Southwestern Iberia. PI: Nuno Bicho. Funded by the Fundação para a Ciência e Tecnologia
- 2011-12 On the edge: The first Modern Humans in Southwestern Iberia and the extinction of Neanderthals. PI: Nuno Bicho. Funding: Wenner-Gren Foundation
- 2012-14 The last hunter-gatherers of Muge (Portugal): the origins of social complexity. PI: Nuno Bicho. Funded by the Fundação para a Ciência e Tecnologia - PTDC/HIS-ARQ/112156/2009

Conference participation

ORAL COMMUNICATIONS

1. Cobo-Sánchez, L., Rufà, A., & Cascalheira, J. (2025). *Neanderthal-carnivore interactions at Escoural cave (Portugal)*. 5th Virtual Conference for Women, Online.
2. Maringa, N., Sara, R., Carvalho, M., Haws, J., & Cascalheira, J. (2025). *Reconstructing the palaeoenvironmental conditions using micromammal fossil assemblages at Lapa do Picareiro during the Middle to Upper Palaeolithic Transition*. 66th Conference of the Hugo Obermaier Society, Faro, PT.
3. Alzate, G., Barbieri, A., & Cascalheira, J. (2024). *Neanderthal and carnivore interaction at Escoural cave (Southern Portugal): A micro-geoarchaeological approach*. EAA 2024, Rome (IT).
4. Belmiro, J., Galfi, J., Terradas, X., Bicho, N., & Cascalheira, J. (2024). *Local or Exogenous? The Different Facets of Chert during the Gravettian at Vale Boi (Southwestern Portugal)*. SAA 2024, New Orleans (US).
5. Belmiro, J., Bicho, N., & Cascalheira, J. (2024). *LusoLit from the shelf to the web: An online lithotheque from South Portugal*. EAA 2024, Rome (IT).
6. Bicho, N., Cascalheira, J., Haws, J., & Raja, M. (2024). *Low-Cost Centripetal Technology in the LSA of Southern Mozambique*. SAA 2024, New Orleans (US).
7. Carvalho, M., Friedl, L., Benedetti, M., Cascalheira, J., & Haws, J. (2024). *Reconstructing Climate and Environment in Paleolithic Western Iberia: A Stable Isotopic Study of Organic Remains at Lapa do Picareiro*. SAA 2024, New Orleans (US).
8. Carvalho, M., Ellis, G., Benedetti, M., Friedl, L., Cascalheira, J., Bicho, N., & Haws, J. (2024). *Human diet and ecology during the Middle to Upper Paleolithic transition in portuguese Estremadura: The case from Lapa do Picareiro*. EAA 2024, Rome (IT).
9. Devevey, G., Aldeias, V., Marques, C., & Cascalheira, J. (2024). *Developing a hub for collaborative synthesis in Human Evolution*. EAA 2024, Rome (IT).
10. Ferar, N., Haws, J., & Cascalheira, J. (2024). *Raw Material Selection and Technological Expediency in the Iberian Middle-Upper Paleolithic Transition*. SAA 2024, New Orleans (US).
11. Ferar, N., Reeves, J., Moore, M., & Cascalheira, J. (2024). *Establishing experimental baselines to interpret low-cost technological behavior during the Middle to Upper Paleolithic transition in Southern Iberia*. EAA 2024, Rome (IT).
12. Galfi, J., Barbieri, A., Gomes, A., Bicho, N., & Cascalheira, J. (2024). *Beyond lithostratigraphy: Exploring vertical distribution of artifacts as a proxy for formation processes at the Upper Palaeolithic site of Vale Boi*. EAA 2024, Rome (IT).

13. Haws, J., Bicho, N., Cascalheira, J., Raja, M., & Carvalho, M. (2024). *Archaeological Survey in the Lower Save River Valley, Southern Mozambique*. SAA 2024, New Orleans (US).
14. Haws, J., Benedetti, M., Carvalho, M., Ellis, G., Cascalheira, J., Friedl, L., & Bicho, N. (2024). *The importance of calcareous landscapes to our understanding of Late Pleistocene human-environment interactions in Western Iberia*. EAA 2024, Rome (IT).
15. Sanchez-Martinez, J., Ferar, N., Cascalheira, J., & Mora, R. (2024). *The Deconstruction of Technical Behavior: Assessing the Significance of Low-Cost Technologies in the Upper Paleolithic*. SAA 2024, New Orleans (US).
16. Belmiro, J., Galfi, J., Terradas, X., & Cascalheira, J. (2023). *Chert provisioning and use during the Upper Paleolithic in Southwestern Iberia: The case of Vale Boi*. EAA 2023, Belfast, NI.
17. Bicho, N., Cascalheira, J., Haws, J., & Honegger, M. (2023). *MSA Technology in Kerma, Sudan: The Development of Fieldwork Methods for Data Acquisition in Basalt Outcrop Settings*. SAA 2023, Portland, USA.
18. Cascalheira, J., Belmiro, J., André, L., Matias, R., & Gonçalves, C. (2023). *Fire-Cracked Rock in the Mesolithic Shell Midden of Cabeço da Amoreira (Muge, Central Portugal)*. SAA 2023, Portland, USA.
19. Cascalheira, J. (2023). *Data Stewardship: Competências, boas práticas e desafios*. 10º Forum GDI, Setubal, PT.
20. Cascalheira, J., & Barbieri, A. (2023). *The Middle Paleolithic of the Escoural cave (southern Portugal)*. Neandertales del fin del Mundo. Nuevas perspectivas para Iberia., Seville (ES).
21. Cascalheira, J., Belmiro, J., Abrunhosa, A., & Gonçalves, C. (2023). *An Android-based freeware solution for field survey and onsite artifact analysis*. CAA 2023, Amsterdam (NL).
22. Gonçalves, C., Cascalheira, J., Umbelino, C., Godinho, R. M., & Nogueira, D. (2023). *Taken Too Soon: The Context of Two Child Burials at the Mesolithic Shell Midden of Cabeço da Amoreira (Muge, Portugal)*. SAA 2023, Portland, US.
23. Haws, J., Carvalho, M., Benedetti, M., & Cascalheira, J. (2023). *The Middle-Upper Paleolithic transition in Lapa do Picareiro (central Portugal)*. Neandertales del fin del Mundo. Nuevas perspectivas para Iberia., Seville (ES).
24. Mylopotamitaki, D., Harking, F. S., Taurozzi, A. J., Fagernäs, Z., Godinho, R., Smith, G. M., Weiss, M., Schuler, T., McPherron, S., Meller, H., Cascalheira, J., Bicho, N., Olsen, J. V., Hublin, J.-J., & Welker, F. (2023). *Comparing extraction method efficiency for high-throughput palaeoproteomic bone species identification*. ESHE 2023, Aarhus, DK.
25. Nogueira, D., Godinho, R. M., Gaspar, R., Bicho, N., Cascalheira, J., Gonçalves, C., & Umbelino, C. (2023). *The children of the last hunter-gatherers communities, new skeletons from Cabeço da Amoreira (Portugal)*. EAA 2023, Belfast, NI.
26. Barbieri, A., Cascalheira, J., Aldeias, V., & Bicho, N. (2022). *Upper Paleolithic foragers on a slope: Geoarchaeological data from Vale Boi*. SAA 2022, Chicago, USA.
27. Belmiro, J., Bicho, N., & Cascalheira, J. (2022). *Lithic technology and raw material use during the Gravettian-Solutrean transition in Southern Portugal*. Facing the Last Glacial Maximum: Fresh insights into the Gravettian-Solutrean transition in Southwestern Europe, Lisbon, PT.
28. Belmiro, J., Cascalheira, J., Terradas, X., & Bicho, N. (2022). *Raw Material Provisioning and Use throughout the Upper Paleolithic at Vale Boi (Southwestern Iberia)*. SAA 2022, Chicago, USA.
29. Bicho, N., & Cascalheira, J. (2022). *The Upper Paleolithic site of Vale Boi, Southern Portugal*. SAA 2022, Chicago, USA.
30. Carvalho, M., Jones, E. L., Ellis, G., Cascalheira, J., Bicho, N., Benedetti, M., Friedl, L., & Haws, J. (2022). *Neanderthal ecology at Lapa do Picareiro: A stable isotope study of ungulate tooth enamel*. EAA 2022, Budapest.
31. Carvalho, M., Cascalheira, J., & Bicho, N. (2022). *Human Paleoeecology during the Gravettian and Proto-Solutrean in Southwestern Iberia: A Stable Isotope Analysis of Herbivore Teeth from Vale Boi (Portugal)*. SAA 2022, Chicago, USA.
32. Cascalheira, J., Belmiro, J., & Bicho, N. (2022). *The Last Glacial Maximum at Vale Boi*. SAA 2022, Chicago, USA.
33. Cascalheira, J., André, L., Tátá, F., & Bicho, N. (2022). *Vale Boi. Los recursos marinos y de adornos de las ocupaciones paleolíticas del Algarve (Portugal)*. INNOVAZUL 2022, Cádiz.
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POSTERS

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14. Cascalheira, J., Barbieri, A., Carvalho, M., Galfi, J., Gonçalves, C., Horta, P., Matias, R., & Maio, D. (2021). *Middle Paleolithic occupations in the Escoural Cave (southern Portugal): Preliminary geoarchaeological results*. ESHE Meetings 2021, Online.
15. Horta, P., Cascalheira, J., & Bicho, N. (2021). *Lithic Adaptive Strategies of Early Modern Humans in Southwestern Iberia: New Data from Vale Boi's Layer 7 and 8*. SAA 2021, Online.
16. Belmiro, J., Cascalheira, J., & Gonçalves, C. (2020). *Uma perspectiva diacrónica da ocupação do concheiro do Cabeço da Amoreira (Muge, Portugal) a partir da tecnologia lítica*. III Congresso da Associação dos Arqueólogos Portugueses, Porto, PT.
17. Cascalheira, J., Belmiro, J., & Gonçalves, C. (2020). *Variability of microliths morphology at the Cabeço da Amoreira shellmound: An approach using Geometric Morphometrics*. MESO 2020, Toulouse, FR.
18. Gomes, A., Connor, S., Martins, M. J., Zinsious, B., Gonçalves, C., Moura, D., Skosey-Lalonde, E., Cascalheira, J., Haws, J., Nhanombe, J., Raja, M., Fernandes, P., Mauelele, R., Matias, R., Oliveira, S., Costas, S., & Bicho, N. (2020). *Modern environment characterization of interdunal lakes in Inhambane province (SE Mozambique) as an analogue to understand past environmental changes*. EGU General Assembly 2020, Online.
19. Gonçalves, C., Umbelino, C., Gomes, A., Gonçalves, C., Costa, C., Belmiro, J., Cascalheira, J., Cardoso, J. L., Rodrigues, J., André, L., Évora, M., Figueiredo, M., Santos, M., Zacarias, M., Bicho, N., Monteiro, P., Godinho, R. M., Matias, R., & Aldeias, V. (2020). *Muge Portal: A new digital platform for the last hunter-gatherers of the Tagus Valley, Portugal*. 10th. MESO 2020, Toulouse, FR.
20. Skosey-Lalonde, E., Gomes, A., Martins, M. J., Connor, S., Raja, M., Zinsious, B., Matias, R., Mauelele, R., Haws, J., Moura, D., Jasso, A., Hartman, G., Gonçalves, C., Cascalheira, J., Oliveira, S., Fernandes, P., Costas, S., & Bicho, N. (2020). *Biogeochemical analysis of newly dated lacustrine cores: A first look at Quaternary paleoenvironment in coastal Mozambique*. EGU General Assembly 2020, Online.

21. Belmiro, J., Cascalheira, J., Bicho, N., & Haws, J. (2019). *The Gravettian-Solutrean transition in western Iberia: New data from the sites of Vale Boi and Lapa do Picareiro (Portugal)*. Paleoanthropological Meetings 2019, Albuquerque, US.
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27. Belmiro, J., Cascalheira, J., & Bicho, N. (2018). *At the threshold of the Last Glacial Maximum in southwestern Iberia: New evidence from the site of Vale Boi (Portugal)*. ESHE 2018, Faro, PT.
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32. Haws, J., Bicho, N., Cascalheira, J., Gonçalves, C., Raja, M., Benedetti, M., Gomes, A., Carvalho, M., Benedetti, I., Zinsious, B., & Skosey-Lalonde, E. (2018). *Later Stone Age archaeology in the Limpopo river basin: New evidence from the site of Txina Txina (Massingir, southern Mozambique)*. UISPP 2018, Paris, FR.
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37. Bicho, N., Cascalheira, J., Haws, J., Gonçalves, C., Raja, M., André, L., Benedetti, M., Carvalho, M., & Zinsious, B. (2017). *Txina, Txina, a new LSA site from the Limpopo River Valley, Mozambique*. ESHE 2017, Leiden, NL.
38. Cascalheira, J., Bicho, N., Haws, J., Gonçalves, C., & Raja, M. (2017). *Technological variability in the Middle Stone Age of Mozambique: Preliminary results*. Paleoanthropological Society Annual Meeting, Vancouver, CA.
39. Cascalheira, J., Gonçalves, C., & Bicho, N. (2017). *An Android-based system for archaeological survey and on-site stone tool analysis*. SAA 2017, Vancouver, CA.
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45. Horta, P., Cascalheira, J., Bicho, N., & Tátá, F. (2017). *The Neanderthal occupations in Southwestern Iberia: Preliminary data from the Gruta da Companheira site*. ESHE 2017, Leiden, NL.
46. Simón Vallejo, M. D., Bicho, N., Cortés Sánchez, M., Parrila-Giraldez, R., & Cascalheira, J. (2017). *Nuevos datos de arte mueble del yacimiento de Vale Boi (Algarve, Portugal)*. 3rd International Conference on the Solutrean, Faro, PT.
47. Varela, J., Bicho, N., Gonçalves, C., & Cascalheira, J. (2017). *Análise preliminar dos padrões de localização das grutas com arqueologia do centro e Sul de Portugal*. II Congresso dos Arqueólogos Portugueses, Lisbon, PT.
48. Gonçalves, C., Cascalheira, J., Haws, J., Zinsious, B., Raja, M., & Bicho, N. (2016). *Stone Age settlement patterns in the Lunho valley (Niassa, Mozambique): GIS preliminary results*. ESHE 2016, Madrid, ES.
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50. Paixão, E., Marreiros, J., Gibaja, J., Pereira, T., Cascalheira, J., & Bicho, N. (2016). *Testing raw material suitability for Ground stones: Experimental program in quartzite and greywacke*. Raw materials exploitation in Prehistory: Sourcing, processing and distribution, Faro, PT.
51. Bicho, N., Aldeias, V., Benedetti, M., Cascalheira, J., Gonçalves, C., Haws, J., Madime, O., Pereira, T., Raja, M., & Zinsious, B. (2015). *Chicaza rockshelter (Niassa, Mozambique): A preliminary report on stratigraphy and chronology*. Paleoanthropological Society Annual Meeting, San Francisco, US.
52. Bicho, N., Haws, J., Cascalheira, J., Gonçalves, C., Raja, M., Madime, O., Aldeias, V., Benedetti, M., Pereira, T., Marreiros, J., & Riel-Salvatore, J. (2015). *New survey results from Middle and Late Stone Age in Mozambique*. AAA 2015, Denver, US.
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56. Gonçalves, C., Aldeias, V., Benedetti, M., Haws, J., Madime, O., Raja, M., Pereira, T., Zinsious, B., & Bicho, N. (2015). *GIS and archaeological survey data for the reconstruction of Stone Age settlement patterns in the Lunho valley (Niassa, Mozambique): Preliminary results*. AAA 2015, Denver, US.
57. Gonçalves, C., Cascalheira, J., & Bicho, N. (2015). *GIS-based visibility studies in the Muge valley shellmiddens: Implications for spatial and social organization*. MESO 2015, Belgrade, RS.
58. Gonçalves, C., Cascalheira, J., Raja, M., Madime, O., & Bicho, N. (2015). *Mapping the Stone Age in Mozambique: Preliminary Results*. SAA 2015, San Francisco, US.
59. Horta, P., Cascalheira, J., & Bicho, N. (2015). *Expedient tools for intensive practices: The bipolar lithic implements from the Upper Paleolithic site of Vale Boi (Southwestern Iberia)*. ESHE 2015, London.
60. Horta, P., Cascalheira, J., Marreiros, J., & Bicho, N. (2015). *Preliminary technological comparison between chert and quartz splintered pieces from the Upper Paleolithic of Vale Boi (Southwestern Iberia)*. On the Rocks 10th International Symposium on Knappable Materials, Barcelona, ES.
61. Paixão, E., Marreiros, J., Gibaja, J., Pereira, T., Cascalheira, J., & Bicho, N. (2015). *Living and hunting during the Mesolithic in the Cabeço da Amoreira Shellmidden (Muge, Portugal): Preliminary lithic use-wear analysis*. MESO 2015, Belgrade, RS.
62. Cascalheira, J., Marreiros, J., Paixão, E., Pereira, T., & Bicho, N. (2013). *Techno-typological analysis of the lithic materials from the Trench area of Cabeço da Amoreira (Muge, Central Portugal)*. Muge 150th, Muge, PT.

63. Conyers, L., Bicho, N., Daniels, M., Elliot, K., Castro, G., Cascalheira, J., & Gonçalves, C. (2013). *Ground-penetrating radar mapping at the Mesolithic Muge Shell Mound, Portugal*. Muge 150th, Muge, PT.
64. Gonçalves, C., Cascalheira, J., & Bicho, N. (2013). *GIS predictive modeling for the discovery of new Mesolithic sites in Central Portugal*. EAA 2013, Pilzen, CZ.
65. Paixão, E., Marreiros, J., Cascalheira, J., Pereira, T., Gibaja, J., & Bicho, N. (2013). *Technological approaches on chert stone tool production in the Mesolithic of Muge (Portuguese Estremadura)*. EAA 2013, Pilzen, CZ.
66. Gonçalves, C., Cascalheira, J., Amorim, A., & Bicho, N. (2012). *No more pencils, no more field books...Archaeological drawing from total station data and digital photography*. CAA 2012, Southampton, UK.
67. Gonçalves, C., Cascalheira, J., & Bicho, N. (2012). *Preliminary spatial density analysis in the Upper Paleolithic rockshelter of Vale Boi (Southern Portugal)*. Paleoanthropological Society Annual Meeting, Memphis, US.
68. Gonçalves, C., Cascalheira, J., & Bicho, N. (2012). *Visibility studies on the Mesolithic of Muge valley (central Portugal)*. SAA 2012, Memphis, US.
69. Marreiros, J., Bicho, N., Gibaja, J., Cascalheira, J., & Pereira, T. (2012). *The Vincentine points from the Early Gravettian of Vale Boi (Portugal): Technological and use-wear analysis*. Paleoanthropological Society Annual Meeting, Memphis, US.
70. Pereira, T., Marreiros, J., Cascalheira, J., Gibaja, J., Coelho, C., Bicho, N., & Haws, J. (2012). *Differences in raw material management by Neandertals and modern humans in Southwest Iberia*. Paleoanthropological Society Annual Meeting, Memphis, US.
71. Schmidt, I., & Cascalheira, J. (2012). *What's the difference? Variability among Solutrean "Parpallo points" from Iberia*. Paleoanthropological Society Annual Meeting, Memphis, US.
72. Bicho, N., Cascalheira, J., Marreiros, J., & Pereira, T. (2011). *Early Upper Paleolithic ecodynamics in southern Iberia*. ESHE 2011, Leipzig, DE.
73. Bicho, N., Manne, T., Marreiros, J., Cascalheira, J., Pereira, T., Tátá, F., Évora, M., & Gonçalves, C. (2011). *A tale of two seas: Upper Paleolithic ecology in Vale Boi, Southwestern Algarve (Portugal) and the arrival of the First Modern Humans to Southwestern Iberia*. INQUA 2011, Bern, CH.
74. Bicho, N., Pereira, T., Cascalheira, J., Marreiros, J., Gonçalves, C., & Dias, R. (2011). *The chronology of the Mesolithic occupation of the Muge valley, Central Portugal*. INQUA 2011, Bern, CH.
75. Cascalheira, J., Bicho, N., Marreiros, J., & Pereira, T. (2011). *Dating the Early Upper Paleolithic of Southwestern Iberia: The case of Vale Boi*. ESHE 2011, Leipzig, DE.
76. Cascalheira, J., Gonçalves, C., & Bicho, N. (2011). *Shellmiddens as a landmark: Visibility analysis in the Mesolithic of Muge valley (Central Portugal)*. UKAS 2011, Reading, UK.
77. Dias, R., Cascalheira, J., Gonçalves, C., Detry, C., & Bicho, N. (2011). *Preliminary analysis of the spatial relationships between faunal and lithic remains on the Mesolithic shellmidden of Cabeço da Amoreira (Muge, Portugal)*. IV Jornadas do Quaternário – APEQ, Coimbra, PT.
78. Marreiros, J., Cascalheira, J., & Bicho, N. (2011). *Flake production in the Early Upper Paleolithic assemblages of Vale Boi (Southern Portugal)*. *Flakes not blades - Discussing the role of flake production at the onset of the Upper Palaeolithic*, Mettman, DE.
79. Pereira, T., Bicho, N., Cascalheira, J., Marreiros, J., Gibaja, J., & Haws, J. (2011). *The impact of raw material availability in the SW Iberian Paleolithic*. ESHE 2011, Leipzig, DE.
80. Pereira, T., Bicho, N., Cascalheira, J., Marreiros, J., Gibaja, J., & Haws, J. (2011). *Differences in the management of raw material in the Upper and Middle Paleolithic in SW Iberia*. UKAS 2011, Reading, UK.
81. Bicho, N., Manne, T., Marreiros, J., Cascalheira, J., Tátá, F., Gibaja, J., Évora, M., & Gonçalves, C. (2010). *On the edge: The Upper Paleolithic from Vale Boi, Algarve, Portugal and the arrival of the first modern humans to Southwestern Iberia*. Paleoanthropological Society Annual Meeting, Saint Louis, US.
82. Cascalheira, J., Marreiros, J., & Évora, M. (2010). *From Gravettian to Solutrean in Southwestern Iberia: A technological perspective*. Paleoanthropological Society Annual Meeting, Saint Louis, US.
83. Jesus, L., Marreiros, J., Cascalheira, J., Gibaja, J., Pereira, T., & Bicho, N. (2010). *Occupation, functionality and culture. Preliminary results from microliths technology and use-wear analysis of Cabeço da Amoreira (Muge, Portugal)*. MESO 2010, Santander, ES.

Fieldwork

AS COORDINATOR

- 2021 Excavations at the Mesolithic site of Cabeço dos Ossos, Portugal
- 2020- Excavations at the Paleolithic site of Gruta do Escoural, Portugal
- 2017- Excavations at the Paleolithic site of Gruta da Companheira, Portugal
- 2009-2019 Excavations at the Paleolithic site of Vale Boi, Portugal
- 2009- Excavations at the Mesolithic site of Cabeço da Amoreira, Portugal
- 2013 Excavations at the Mesolithic site of Cabeço da Arruda, Portugal
- 2009 Excavations at the Paleolithic sites of Gruta Nova da Columbeira and Lapa do Suão, Portugal

AS INVITED SPECIALIST

- 2023- DISPERSALS - Resilience, and innovation in Late Pleistocene SE Africa. Lithics specialist. PI: Nuno Bicho
- 2016-19 Survey and excavations in Mozambique under the project Stone Age Vilankulos: Modern Human Origins Research south of the Rio Save, Mozambique. Lithics specialist and field manager. PI: Jonathan Haws
- 2016-19 Excavations at Dehesilla Cave, Spain. Total station specialist. PI: Daniel Garcia Rivero
- 2013-15 Survey and excavations in Mozambique under the project Middle Stone Age archaeology and the origins of modern humans in southern Mozambique. Lithics specialist and field manager. PI: Nuno Bicho
- 2014-15 Excavations at Picareiro Cave. Total station specialist. PI: Jonathan Haws

OTHER FIELDWORK

- 2008 Excavations at the Mesolithic site of Cabeço da Amoreira, Portugal. Assistant field manager. PI: Nuno Bicho.
- 2006 Testing at the site of Zavial Rockshelter, Portugal. Excavator. PI: Nuno Bicho.
- 2005-06 Excavations at the Paleolithic site of Vale Boi, Portugal. Assistant field manager. PI: Nuno Bicho
- 2004 Excavations at the Mesolithic site of Barranco das Quebradas, Portugal. Excavator. PI: Maria J. Valente

Teaching

Invited Professor

University of Coimbra, Portugal

COURSES TAUGHT:

2018-2019

- Field Archaeology (MA in Human Evolution)

Invited Professor

Universidade do Algarve, Portugal

COURSES TAUGHT:

2014-Present

- Introduction to Archaeology (Undergrad. in Archaeology)
- Archaeological Theory (MA in Archaeology)
- Lithic analysis (MA in Archaeology)
- Introduction to lithic analysis (Undergrad. in Archaeology)
- Introduction to Data Analysis in Archaeology (Undergrad. in Archaeology)
- Prehistoric adaptations to climate change (Ph.D. in Archaeology)
- Digging data: quantitative and reproducible analysis in Archaeology (Ph.D. in Archaeology)

Administrative and management experience

SCIENTIFIC AND UNIVERSITY MANAGEMENT

Director

ICArEB - Universidade do Algarve, Portugal

INTERDISCIPLINARY CENTER FOR ARCHAEOLOGY AND THE EVOLUTION OF HUMAN BEHAVIOUR

2023-

Invited member

Universidade do Algarve, Portugal

QUALITY ASSURANCE COMMITTEE

2023-

Member

Universidade do Algarve, Portugal

FACULDADE DE CIÊNCIAS HUMANAS E SOCIAIS SCIENTIFIC COUNCIL

2023-

Member

Universidade do Algarve, Portugal

ACADEMIC SENATE

2023-

Member

RESEARCH COUNCIL OF THE UNIDADE DE APOIO À INVESTIGAÇÃO CIENTÍFICA E FORMAÇÃO PÓS-GRADUADA

Universidade do Algarve, Portugal

2023-

Coordinator

RESEARCH LINE ON DYNAMICS OF PALEOLITHIC PEOPLE IN EUROPE

ICArEHB - Universidade do Algarve,
Portugal

2022

Coordinator

RESEARCH LINE ON AFRICAN ARCHAEOLOGY AND HUMAN EVOLUTION

ICArEHB - Universidade do Algarve,
Portugal

2019-2021

Elected member

UALG'S GENERAL COUNCIL

Universidade do Algarve, Portugal

2021-2024

SEARCH COMMITTEES

2023 Call for 1 PhD Fellowship (BI) in Archaeology, expertise in climate modeling, within FINISTERRA: Population trajectories and cultural dynamics of Late Neanderthals in Far Western Eurasia (101045506-FINISTERRA-ERC-2021-COG). Notice n° 046/2023

2023 Call for 1 PhD Fellowship (BI) in Archaeology, expertise in geoarchaeology, within FINISTERRA: Population trajectories and cultural dynamics of Late Neanderthals in Far Western Eurasia (101045506-FINISTERRA-ERC-2021-COG). Notice n° 037/2023

2023 Call for 1 MA Fellowship (BI) in Archaeology at ICArEHB. Notice n° 001/2023

2023 Call for 3 PhD Fellowships (BI) in Archaeology, expertise in isotopes, phytoliths, computational modeling, within DISPERSALS: Dispersals, resilience, and innovation in Late Pleistocene SE Africa, ERC-2021-ADG. Notice n° 039/2023

2023 Call for 1 Principal Researcher in Archaeology within DISPERSALS: Dispersals, resilience, and innovation in Late Pleistocene SE Africa, ERC-2021-ADG. Notice n° 15831/2023

2023 Call for 1 Post-Doc Fellowship (BI) in Archaeology, within DIASPORA: Early Human migrations and the Nile Valley: the Kerma region during the MSA. Notice n° 071/2022

2022 Call for 4 Auxiliar Researchers in Archaeology, expertises in isotopes, phytoliths, computational modeling, biomarkers, within DISPERSALS: Dispersals, resilience, and innovation in Late Pleistocene SE Africa, ERC-2021-ADG. Notice n.º 17876/2022

2022 Call for 1 post-doctoral fellowship in Archaeology, expertise in fauna taphonomy, within FINISTERRA: Population trajectories and cultural dynamics of Late Neanderthals in Far Western Eurasia (101045506-FINISTERRA-ERC-2021-COG). Notice n° 070/2022

2022 Call for 1 post-doctoral Assistant Researcher contract in Archaeology at ICArEHB, through CEEC institutional program. Notice n° 202205/0517

2022 Call for 1 PhD Fellowship (BI) in Archaeology, expertise in lithic analysis, within FINISTERRA: Population trajectories and cultural dynamics of Late Neanderthals in Far Western Eurasia (101045506-FINISTERRA-ERC-2021-COG). Notice n° 034/2022

2022 Call for 1 PhD Fellowship (BI) in Archaeology, expertise in microfauna analysis, within FINISTERRA: Population trajectories and cultural dynamics of Late Neanderthals in Far Western Eurasia (101045506-FINISTERRA-ERC-2021-COG). Notice n° 035/2022

2022 Call for 1 post-doctoral fellowship in Archaeology, expertise in isotope analysis, within FINISTERRA: Population trajectories and cultural dynamics of Late Neanderthals in Far Western Eurasia (101045506-FINISTERRA-ERC-2021-COG). Notice n° 039/2022

2022 Call for 1 post-doctoral Assistant Researcher contract in Archaeology at ICArEHB, through CEEC institutional program

2022 Call for 1 MA fellowship in Archaeology within the project ALG-45-2020-41– SciTour - Turismo Científico: uma nova abordagem para promover o turismo no Algarve

2022 Call for 1 Research Fellowship (BI) in Archaeology within the project DIASPORA – As primeiras migrações humanas no vale do Nilo: a região de Kerma durante o MSA (PTDC/HAR-ARQ/0131/2020). Notice n° 024/2022

2021 Call for 1 Research Fellowship (BI) in Archaeology at ICArEHB (UID/ARQ/04211/2019). Notice n° 057/2021

2021 Call for 1 Research Fellowship (BI) in Archaeology within The Muge Shellmiddens Project: A new Portal to the last hunter-gatherers the Tagus Valley, Portugal (ALG-01-0145-FEDER-29680). Notice n° 033/2021.

2021 Call for 4 Ph.D. fellowships (BD) in Prehistoric Archaeology at ICArEHB (UID/ARQ/04211/2019)

2020 Call for 1 post-doctoral contract in Archaeology at ICArEHB (UID/ARQ/04211/2019)

2020 Call for 1 Research Fellowship (BI) in 3D Animation within The Muge Shellmiddens Project: A new Portal to the last hunter-gatherers the Tagus Valley, Portugal (ALG-01-0145-FEDER-29680). Notice n° 079/2019

2020 Call for 1 Research Fellowship (BI) in Computer Science and engineering within The Muge Shellmiddens Project: A new Portal to the last hunter-gatherers the Tagus Valley, Portugal (ALG-01-0145-FEDER-29680). Notice n° 001/2020

2020 Call for 1 Research Fellowship (BI) in 3D Animation within The Muge Shellmiddens Project: A new Portal to the last hunter-gatherers the Tagus Valley, Portugal (ALG-01-0145-FEDER-29680). Notice n° 002/2020

2020 Call for 1 Research Fellowship (BI) in Design within The Muge Shellmiddens Project: A new Portal to the last hunter-gatherers the Tagus Valley, Portugal (ALG-01-0145-FEDER-29680). Notice n° 018/2020

2020 Call for 1 Research Fellowship (BI) in Archaeology within The origins and evolution of human cognition and the impact of Southwestern European coastal ecology (ALG-01-0145-FEDER-27833). Notice n° 060/2020

2020 Call for 1 funding officer position at ICArEHB (UID/ARQ/04211/2019)

2019 Call for 1 administrative position at ICArEHB (UID/ARQ/04211/2019). Notice n° 046/2019

2019 Call for 1 post-doctoral contract within the project FLAME – Fire among Anatomically Modern Humans and Neanderthals as revealed from Archaeological Microstratigraphic evidence

2019 Call for 1 post-doctoral contract within the project The origins and evolution of human cognition and the impact of Southwestern European coastal ecology (ALG-01-0145-FEDER-27833)

STUDENT AND POSTDOCTORAL SUPERVISION

- 2022- Nolan Ferar (Ph.D. dissertation, ICArEHB, Universidade do Algarve, Portugal) - Funded by FCT
- 2022- Mpumi Maringa (Ph.D. dissertation, ICArEHB, Universidade do Algarve, Portugal)
- 2020- Jovan Galfi (Ph.D. dissertation, ICArEHB, Universidade do Algarve, Portugal)
- 2020- Joana Belmiro (Ph.D. dissertation, Universidade do Algarve, Portugal) - Funded by FCT
- 2019- Daniela Maio (Ph.D. dissertation, Universidade do Algarve, Portugal)
- 2020-2022 Emily Hallinan (Marie Curie Fellow, ICArEHB, Universidade do Algarve)
- 2017-2022 Pedro Horta (Ph.D. dissertation, Universidade do Algarve, Portugal) - Funded by FCT
- 2017-2019 Joana Belmiro (M.A. dissertation, Universidade do Algarve, Portugal)
- 2017 Joana Belmiro (Undergrad. dissertation, Universidade do Algarve, Portugal)
- 2014-15 Pedro Horta (M.A. dissertation, Universidade do Algarve, Portugal)

INVITED SEMINARS

- 2025 “The Far West: Recent Advances in the Study of Late Pleistocene Adaptations in southwesternmost Iberia”. 66th Conference of the Hugo Obermaier Society, Faro
- 2024 “The Upper Paleolithic occupations at Vale Boi (Vila do Bispo, Algarve)”. Associação Arqueológica do Algarve, São Brás de Alportel/Lagoa
- 2023 “40 mil anos depois: o que sabemos sobre o desaparecimento dos Neandertais”. Academia das Ciências de Lisboa, Lisbon
- 2022 “O que sabemos sobre o desaparecimento dos Neandertais?”. FI.CA, Lisbon
- 2021 “Human adaptations to the Last Glacial Maximum in the Iberian Peninsula”. Hebrew University MA seminar series “The social dimensions of human adaptation to extreme environments”, Online
- 2019 “Proto-Solutrean and Solutrean adaptations in westernmost Iberia: the Vale Boi and Lapa do Picareiro case-studies”. Erlangen, DE (with Nuno Bicho, Joana Belmiro and Jonathan Haws)
- 2019 “A última década de trabalhos arqueológicos no concheiro do Cabeço da Amoreira, Muge”. Muge, Salvaterra de Magos, PT (with Célia Gonçalves, Nuno Bicho and Lino André)
- 2017 “Evolução humana e a tecnologia dos instrumentos em pedra”. Universidade de Coimbra, Coimbra, Portugal, Universidade de Coimbra, Coimbra, PT.
- 2017 “Neanderthal to Modern Humans: the transition in Portugal”. Algarve Archaeological Association, São Brás de Alportel, PT
- 2016 “Prehistoric Hunter-Gatherer Adaptations in Southwestern Iberia and Mozambique”. Max Planck Institute for the Science of Human History, Jena, DE
- 2016 “The end of the Middle Paleolithic and the arrival of anatomically modern humans to Southwestern Iberia”. Max Planck Institute, Leipzig, DE (with Nuno Bicho)
- 2016 “Recent developments in the analysis of lithic technology”. University of Seville, ES
- 2015 “Laboratorial techniques for the analysis of lithic industries”. University Eduardo Mondlane, Maputo, MZ
- 2014 “Abrupt climate change and human adaptations”. University Eduardo Mondlane, Maputo, MZ
- 2014 “Stone Age archaeology in the Niassa region, Mozambique. Preliminary results from the 2014 campaign”. Geographical Society of Lisbon, Lisbon, PT (with N. Bicho, J. Haws, O. Madime, C. Gonçalves, V. Aldeias, and M. Benedetti)
- 2014 “Human responses to environmental change: the case of the Portuguese Upper Paleolithic”. National Museum of Archaeology, Lisbon, PT
- 2014 “The mediterranean influence on the social networks of the Solutrean in Iberia”. National Museum of Archaeology, Lisbon, PT

CONFERENCES/SYMPOSIA ORGANIZED

- 2024 “Symposium Expedient Technological Behavior: Global Perspectives and Future Directions”. With Nolan Ferar. SAA 2024, New Orleans, USA
- 2018 “European Society for Human Evolution Annual Meeting”. Universidade do Algarve, Faro, PT
- 2017 “International Congress The Solutrean”. With Isabell Schmidt, Nuno Bicho and Gerd-Christian Weniger. Universidade do Algarve, Faro, PT
- 2016 “Symposium Global perspectives on the impact of abrupt climate change in hunter-gatherer-technologies”. With Nuno Bicho. SAA 2016, Orlando, USA
- 2015-2017 Conference cycle “Arqueologia às 6”. Organized by ICArEHB. Faro, PT
- 2012 “Symposium Solutrean points: past and present”. With Juan Gibaja Bao. At the International Conference El Solutrense. Almería, ES
- 2011 “IV International Conference of Young Researchers in Archaeology (JIA 2011)”. Universidade do Algarve, Faro, PT
- 2010 “Session Demographic processes and cultural change: archaeological perspectives”. III International Conference of Young Researchers in Archaeology (JIA 2010). Barcelona, ES

WORKSHOPS AND EXHIBITIONS ORGANIZED

- 2016 Workshop “Data Analysis and R Statistics”. Universidade do Algarve, Faro, PT
- 2016 Exhibition “The Prehistoric Origins of the Algarve”. Organized by ICArEHB and Centro de Ciência Viva do Algarve. Faro, Tavira, Lagos and Vila do Bispo. PT
- 2014 Exhibition “At the End of the World 30 thousand years ago: the prehistoric hunter-gatherers of Vale Boi”. Organized by ICArEHB. Vila do Bispo, PT
- 2011 Workshop “Total Station in Archaeology”. Universidade do Algarve, PT. Promoted by NAP
- 2011 Exhibition “On the margins of the past: the Muge shell middens”. Salvaterra de Magos, PT. Organized by NAP
- 2010-14 Conferences “Arqueologia ao Sul”. Universidade do Algarve, Faro, PT. Organized by NAP
- 2010 Workshop “Analysis of Lithic Industries” (Universidade do Algarve, Faro, PT. Promoted by NAP
- 2010 Workshop “NESPOS On Tour”. Universidade do Algarve, Faro PT. Promoted by NAP

TUTORING

- 2022 Instructor of Statistics in Archaeology using R in one the Training in Frontier Archaeology ICArEHB actions
- 2019- Creation of the archaeological survey and excavation Massive Open Online Courses (MOOC) modules of the *Online Learning on African Archeology and Heritage (ONLAAH)* project

Additional Training

- Workshop Introduction to Open Science. Universidade do Algarve, Faro, PT.
- Workshop Machine Learning in Archaeology. Universidade do Algarve, Faro, PT:
- Workshop Science and public policy: how to build bridges?. Universidade do Algarve, Faro, PT.
- Workshop Data Analysis and R Statistics. Universidade do Algarve, Faro, PT.
- Workshop EVAN Toolbox. Max Planck Institute for Evolutionary Abthropology, Leipzig, DE.
- Workshop NESPOS on Tour. Universidade do Algarve, Faro, PT.
- Workshop Understanding tool use, multidisciplinary perspectives on the cognition and ecology of tool using behaviors. Max Planck Institute for Evolutionary Anthropology, Leipzig, DE.
- Workshop Tools in organic materials: methods of analysis. CSIC, Barcelona, ES.
- Workshop Advanced SPSS applications. Universidade do Algarve, Faro, PT.
- Workshop Functional studies in non-siliceous rocks. Lisbon, PT.

Reviewer for academic journals and funding agencies

- Fund for Scientific Research – FNRS Belgium (1)
- Nature Scientific Reports (1)
- PLoS ONE (4)
- Journal of Human Evolution (2)
- Advances in Archaeological Practice (3)
- Journal of Archaeological Science (1)
- Journal of Archaeological Science: Reports (2)
- Quaternary International (1)
- Journal of Paleolithic Archaeology (3)

- African Archaeological Review (1)
- Antiquity (1)
- National Science Centre Poland (1)
- Paleoanthropology Journal (1)
- Journal of Open Archaeology Data (1)
- Journal of Environmental Archaeology (1)

Professional memberships

- European Society for the Study of Human Evolution
- Society for American Archaeology
- Paleoanthropology Society
- Archaeological Institute of America
- Seminário Permanente dos Jovens Cientistas do Instituto de Altos Estudos da Academia das Ciências de Lisboa, Membro.

Languages

- Portuguese (native)
- English (proficient)
- Spanish (conversational)